

Title (en)  
ELECTRODE MATERIAL FOR METAL-AIR BATTERY

Title (de)  
ELEKTRODENMATERIAL FÜR METALL-LUFT-BATTERIEN

Title (fr)  
MATIÈRE D'ÉLECTRODE POUR BATTERIE MÉTAL-AIR

Publication  
**EP 3171437 A4 20180328 (EN)**

Application  
**EP 15822480 A 20150709**

Priority  
• JP 2014144788 A 20140715  
• JP 2015069753 W 20150709

Abstract (en)  
[origin: EP3171437A1] The present invention provides an electrode material for metal-air batteries which has a homogeneous co-continuous structure due to a carbon skeleton and voids and is excellent in terms of permeability to and diffusibility of ions, oxygen, electrolytes, and electrolytic solutions and which, due to the formation of the carbon network, can rapidly diffuse the heat generated by battery reactions and has satisfactory electrical conductivity. The electrode material for metal-air batteries comprises a porous carbon material having a co-continuous structure portion in which a skeleton constituted of carbon and voids form a co-continuous structure and which has a structural period, as calculated by X-ray scattering method or X-ray CT method, of 0.002-10 µm.

IPC 8 full level  
**C01B 32/05** (2017.01); **H01M 4/86** (2006.01); **H01M 4/96** (2006.01); **H01M 12/08** (2006.01)

CPC (source: EP KR US)  
**C01B 32/00** (2017.08 - US); **C01B 32/05** (2017.08 - EP KR US); **H01B 1/04** (2013.01 - EP KR US); **H01G 11/00** (2013.01 - US); **H01M 4/86** (2013.01 - EP US); **H01M 4/8605** (2013.01 - KR US); **H01M 4/8668** (2013.01 - KR); **H01M 4/96** (2013.01 - EP KR US); **H01M 12/08** (2013.01 - EP KR US); **C01P 2002/74** (2013.01 - KR US); **C01P 2004/03** (2013.01 - KR US); **C01P 2006/16** (2013.01 - KR US); **C01P 2006/40** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP)

Citation (search report)  
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3171437 A1 20170524; EP 3171437 A4 20180328**; CN 106471656 A 20170301; CN 106471656 B 20200103; JP 6436085 B2 20181212; JP WO2016009935 A1 20170427; KR 102380372 B1 20220331; KR 20170030545 A 20170317; TW 201607131 A 20160216; TW I653779 B 20190311; US 10249881 B2 20190402; US 2017194650 A1 20170706; WO 2016009935 A1 20160121

DOCDB simple family (application)  
**EP 15822480 A 20150709**; CN 201580036622 A 20150709; JP 2015069753 W 20150709; JP 2015535624 A 20150709; KR 20177002810 A 20150709; TW 104122841 A 20150715; US 201515325911 A 20150709